

Title (en)
FLEXIBLE WEARABLE DEVICE

Title (de)
FLEXIBLE WEARABLE-VORRICHTUNG

Title (fr)
DISPOSITIF VESTIMENTAIRE FLEXIBLE

Publication
EP 3383002 A4 20190710 (EN)

Application
EP 15911945 A 20151231

Priority
CN 2015100171 W 20151231

Abstract (en)
[origin: EP3383002A1] A flexible wearable device (10) is provided. The flexible wearable device (10) includes a flexible body (100), a speaker (300), an earpiece (400), a sensor (500), and a control unit (600). The flexible body (100) can be in a worn state in which a bending angle of the flexible body (100) is not less than a predetermined angle, and in a flattened state in which the bending angle of the flexible body (100) is less than the predetermined angle. The sensor (500) senses whether the flexible body (100) is in the worn state or in the flattened state. When the sensor (500) senses that the flexible body is in the worn state, the control unit (600) controls the earpiece (400) to be off and controls the speaker (300) to be on or as a default sound generator, and when the sensor (500) senses that the flexible body is in the flattened state, the control unit (600) controls the earpiece (400) to be on or as the default sound generator, and controls the speaker (300) to be off. When the device above is being worn, a user does not need to frequently move the flexible wearable device since the speaker outputs an audio at a relatively high decibel level; moreover, the earpiece is in an off state, thereby reducing interference of the earpiece on other electronic elements, and improving the call quality.

IPC 8 full level
G06F 1/16 (2006.01); **H04M 1/02** (2006.01); **H04M 1/60** (2006.01)

CPC (source: EP KR US)
A45F 5/00 (2013.01 - US); **A61B 5/024** (2013.01 - KR); **G06F 1/163** (2013.01 - EP KR US); **G06F 1/1652** (2013.01 - US); **G06F 1/1677** (2013.01 - US); **G06F 1/1684** (2013.01 - KR); **G06F 3/015** (2013.01 - KR); **H04B 1/385** (2013.01 - EP US); **H04M 1/021** (2013.01 - US); **H04M 1/0214** (2013.01 - EP US); **H04M 1/0241** (2013.01 - EP US); **H04M 1/0243** (2013.01 - EP US); **H04R 1/02** (2013.01 - US); **H05K 1/028** (2013.01 - US); **A45F 2200/0516** (2013.01 - US); **H04B 2001/3861** (2013.01 - EP US); **H04M 1/6041** (2013.01 - EP US); **H04M 1/605** (2013.01 - EP US)

Citation (search report)
• [YA] US 2014179380 A1 20140626 - ROH BYOUNGTACK [KR]
• [Y] US 2008006762 A1 20080110 - FADELL ANTHONY M [US], et al
• [Y] WO 2015184045 A2 20151203 - POLYERA CORP [US]
• [Y] WO 0164070 A1 20010907 - RADLEY SMITH PHILIP JOHN [GB]
• See also references of WO 2017113319A1

Cited by
CN109257504A; GB2598208A; GB2598208B; US11546685B2

Designated contracting state (EPC)
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